Soc Virnyl Estela

Backend Engineer | Technical Writer | Open Source Developer and Member @ openSUSE | Rust • Go • TypeScript • Javascript • Python (FastAPI) • Julia • AWS • GCP

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Backend engineer with experience in Rust, Go, and AWS, building high-performance services and developer tooling. My background in technical writing and teaching strengthens my ability to design clear APIs, write maintainable systems, and produce high-quality documentation. Open-source contributor and maintainer with a strong focus on performance, automation, and CI/CD.

Technical Skills

Programming Languages: Rust, Go, Python, TypeScript, Julia, Bash
Backend & APIs: FastAPI, ExpressJS, Hono, NodeJS, Postgres, Sqlite, Redis
Web: React, Redux Toolkit, NextJS, Vite, wagmi, Node, Deno
DevOps & Tooling: Docker, Amazon Web Services (**AWS**), Google Cloud Platform (**GCP**), GitHub Actions, CI/CD, Linux
Documentation and Writing Tools: Markdown, Typst

Professional and Work Experience

Software Developer (Git, GitHub, CI/CD, Python, Rust, Golang, AWS) Block Liquidity — 📍 United Kingdom — 🔗 https://blockliquidity.xyz

📅 October 2025 - January 2026
- Built multiple services and modules to process **1000+ data streams per second** for a notification system using Rust ensuring that users receive accurate real-time notifications.
- **Sped up slow SQL queries from minutes down to milliseconds** for a Postgres database by using native types and best practices when rewriting SQL ensuring data is loaded fast in the platform.
- Built an API in Postgres, Redis and Rust manage alerts, increasing and simplifying the overall process with **80% increase in response times due to faster data (de)serialisation** increasing speed, flexibility and maintainability.

Technical Content Developer (Git, GitHub, Rust, React, Deno, NodeJS, Hono, Solidity, Web3) TRIBE — 📍 Singapore — 🔗 https://tribex.co

📅 Mar 2024 - June 2025
Boosted number of learners, from **300 to 1000+** on the **StackUp platform** through tutorials on key technologies (**React**, **Node.js**, **Rust**, **Deno**), and as a mentor and community member.
- Rust Pathway: a series of **Rust** tutorials and campaigns
- Fuel Up Your API Development with **Hono** and **Deno**: a introductory tutorial for backend development and authentication using **Hono** and **Deno**.
- The Deno Learning Modules: A series of tutorials using **Deno** as the Javascript runtime for web development.
- Learn authentication and authorisation with ExpressJS: a introductory tutorial for backend development using **Node.js** and **ExpressJS**.
- StackUp Forums: a microblogging project using blockchain to store posts and comments with **Solidity**, **React**, **viem**, **wagmi**, **foundry**, and **Typescript**.

Open Source Experience & Projects

Core Developer/Maintainer OBS Service Cargo — ⭘ https://github.com/openSUSE-Rust/obs-service-cargo

📅 2022 - present
Automation tool for **Rust software packaging** written in **Rust** with **100% test coverage**.
- The **ONLY tool** for https://build.opensuse.org to **automate packaging** of **Rust** software in openSUSE.

Core Developer/Maintainer Roast — ⭘ https://github.com/openSUSE-Rust/roast

📅 2024 - present
Archiving tool written in **Rust** using test-driven development. Supports **GZ**, **ZSTD**, **XZ** and **BZ** compression.
- Achieved **70% increase in performance**, shortening the time to create highly compressed archive tarballs.
- Has **100% test coverage** to ensure consistent behaviour such as **deterministic creation of tar archives to conform with Reproducible Builds**.
- Has **Git feature** allowing users to **create tarballs straight from a valid remote Git repository for easier UX**.

Organization Admin/Member Waycrate — 🔗 https://waycrate.github.io

📅 2022 - present
A community of open-source enthusiasts and contributors.
- **Became a Mentor Organization for Google Summer of Code**: **Google Summer of Code 2024** and **Google Summer of Code 2025**
- **Inspired** new developers to **participate** and **contribute** to **open-source**.

Member and Volunteer 🦎 openSUSE — 🔗 https://opensuse.org

📅 2021 - present
A **Linux community** of desktop users, developers and open-source contributors.
- **Software Packager** of **100+ software packages** for the openSUSE project: https://build.opensuse.org/users/uncomfyhalomacro.
- **Software Developer** of openSUSE's Rust packaging tool for openSUSE Build Service called OBS Service Cargo.

Core Developer/Maintainer Bunny — ⭘ https://github.com/uncomfyhalomacro/bunny

📅 July 2025
A **markdown parser library and static site generator** written in **Hare**, a systems programming language.
- **Won 1st place** with https://github.com/uncomfyhalomacro/bunny in the amateur category of Boot.dev 2025 Hackathon.

Education

Programmer/Software Developer (self-taught)

📅 2020 - present
- **Completed** the fundamentals of **backend development** focusing on Golang and Typescript at Boot.dev **as professional development certification or course**. Progress and certificates at **Boot.dev**: https://www.boot.dev/u/uncomfyhalomacro.
  - ‣ *Skills Learned*: *Git, Golang, Data Structures and Algorithms, Python, DevOps, AWS, RabbitMQ, RAG, Linux, AI Agents, Kubernetes, CI/CD with Docker and GitHub Actions (and more at https://www.boot.dev/u/uncomfyhalomacro)*

BSc. in Biology (Microbiology) — Mindanao State University - Iligan Institute of Technology — 📍 Philippines

🔗 https://www.msuiit.edu.ph
📅 2018 - 2022
Academic Distinction: *Cum Laude* **GPA 1.593**